

Amendments to the Claims:

1 – 7. (canceled)

8. (currently amended) A coolable layer system, comprising;

a substrate having a surface;

a coating on the substrate surface; and

a plurality of cooling passages used for cooling purposes, the cooling passages at least partly formed through the substrate surface and extending into the substrate, and partially adjoining the coating so that portions of the cooling passages along the substrate surface are closed off,

wherein at least two cooling passages cross one another and are arranged in groups that are crosswise with respect to one another so that the surface that is to be cooled is covered by the cooling passages that cross one another; and

wherein at least one cooling passage includes an undercut within the substrate relative to the substrate surface.

9. (previously presented) The coolable layer system as claimed in claim 8, wherein the coolable layer system extends in a radial direction, and in that at least one cooling passage is at an angle with respect to the radial orientation.

10. (currently amended) The coolable layer system as claimed in claim 8, wherein the coolable layer system extends in a radial direction and at least one cooling passage is positioned in an axial direction relative to the radial orientation.

11. (cancelled)

12. (previously presented) The coolable layer system as claimed in claim 8, wherein at least one cooling passage is arranged at least partially within the coating.

13 - 14. (cancelled)